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CUBAN LAND SHELLS OF THE LOWE-HAND-EMERY EXPEDITION
PLATE I

BY H. A. PILSBRY

The Cuban land-snail fauna is so prolific in narrowly localized species that real collectors, even in a hasty trip, are likely to pick up novelties. The plate contributed by Mr. H. N. Lowe represents several undescribed forms found by Messrs. Emery, Lowe and Hand in the course of the trip described on pages 37-41, together with some closely allied forms figured for comparison.

Snails of the Urocoptid subgenus *Callonia* have always been considered among the most beautiful of their group. Set with gem like, snow-white, hollow ribs on a golden brown or an almost maroon ground, and of slender, graceful shape, they are the patricians of their family.

In *U. elliotti* (Poey), Pl. I, fig. 1, from the Sierra de Guane, the last whorl is very shortly free in front, and the ribs are very high. Mr. Lowe was so lucky as to find a related but clearly distinct species in one place in the same mountain, which Dr. Torre's keen eye at once recognized as new, calling it *U. LOWEI* n. sp., Pl. I, fig. 2. It is more slender than *elliotti*, with much lower ribs, the last whorl barely free in front. Length 23.5, diam. above aperture 3 mm., in a specimen retaining all of the 30 whorls (the upper 15 empty, light brown).

In the Sierra de Paso Real, *U. dautzenbergiana* (Crosse), Pl. I, fig. 3, was found. In this charming snail the last third or half of the last whorl descends free from the preceding in the typical form, fig. 3. The specimens taken on this occasion are a variant race in which almost the whole last whorl is free, Pl. I, figs. 4, 5. The most perfect ones are over 30 mm. long. At the caves near Mendoza—all of these places are in Pinar del Rio Province—a smaller race was found, var. *gemmata*. The specimens about 20 mm. long, Pl. I, fig. 7. They have very high, rather triangular ribs, and nearly a whorl is free. These figures represent all of the *Callonias* known up to this time.

In the same place, Mendoza caves, another new *Urocoptis* turned up, *U. HANDI* Torre, n. sp., Pl. I, fig. 6. It is cylindrical, with the upper third tapering, truncate, of a dull, clouded ashy and flesh color, rather weakly ribbed, the ribs uniting by pairs in a series of low, small bosses at the suture, often with a single rib between the pairs. The expanded whitish peristome is free, the interior brown. On the internal axis there are three lamellæ, the lowest one being widest. This form differs from *U. vignalensis* by the narrower shape, weaker ribs, the regularly denticulate suture and the smaller aperture. It is scarcely distinguishable from *U. cærulans* Poey externally, but differs by the 3-lamellate axis. Length 18.3, diam. above aperture 4.7 mm., nearly 11 whorls remaining.

A form of *U. vignalensis* having finer sculpture than typical was taken at the Mendoza caves, Pl. I, fig. 8. A rather short *U. vignalensis* from Vinales, the type locality, is figured for comparison, fig. 9.

Some interesting *Cerions* were found, among them *C. johnsoni* Pilsbry & Vanatta, found about half a mile east of Mariel Lighthouse, and *C. salvatori* Torre, Pl. I, fig. 12, which is abundant at Playa de Santa Fé, Punta Brava, in Havana Province. The type of this species, fig. 11, is from Jaimanitas; length 31.5 mm., diam. above aperture 12 mm. This species is very similar to the Cárdenas region *C. sagraianum*, but widely separated geographically. *C. marielinum* Torre, fig. 10, from near Mariel Lighthouse, is a strongly ribbed species, the ribs white on a dull brown ground. It is allied to *C. chrysalis* Fér.

Length 33.3, diam. above aperture 11.5 mm.; on the penult whorl 14 ribs.

Explanation of Plate I follows; figures 1 to 9 are enlarged.

Fig. 1. *Urocoptis elliotti* (Poey). Sierra Guane, coll. by J. B. Henderson. 95033 A. N. S. P.

Fig. 2. *Urocoptis lowei* Torre. Sierra Guane, coll. by H. N. Lowe. 141496.

Fig. 3. *Urocoptis dautzenbergiana* (Crosse). Sierra Paso Real. 73010.

Figs. 4, 5. *Urocoptis dautzenbergiana* (Crosse) var. Sierra Paso Real, coll. by H. N. Lowe. 141497.

Fig. 6. *Urocoptis handi* Torre. Mendoza Caves, coll. by H. N. Lowe.

Fig. 7. *Urocoptis dautzenbergiana*, var. *gemmata*. Mendoza Caves, coll. by H. N. Lowe and E. E. Hand. 141498.

Fig. 8. *Urocoptis vignalensis*, var. Mendoza Caves, coll. by H. N. Lowe. 141495.

Fig. 9. *Urocoptis vignalensis* (Wright & Pfr.). Vinales, coll. by E. E. Hand. 141888.

Fig. 10. *Cerion marielinum* Torre. Mariel Lighthouse, coll. by H. N. Lowe. 141505.

Fig. 11. *Cerion salvatori* Torre, Type. Jaimanitas. 132601.

Fig. 12. *Cerion salvatori* Torre, striate form. Playa de Santa Fé, Habana Prov., coll. by Lowe and Hand. 141507.

MOLLUSK NOTES FROM THE NORTHWEST

BY JUNIUS HENDERSON

Assisted by various friends at various times, I spent the summer of 1925 in collecting mollusks and echinoderms in the Puget Sound Basin, Alaska, at Lake Atlin, in British Columbia, and at Cancross and White Horse, in Yukon Territory. As a result, nine large boxes full of material were shipped by freight to the University of Colorado Museum. Miss Elberta Craig, assistant in the Museum, has worked up most of this